Naval Information Warfare Center Atlantic

Leading the Department of the Navy in the acquisition, development and rapid delivery of Command, Control, Communications, Computer, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR), information warfare solutions and business systems for the Warfighter.

Delivering mission-critical information warfare solutions to the Warfighter

Global Warfighter Support

Naval Information Warfare Center (NIWC) Atlantic is a Navy engineering and Information Technology (IT) command and part of the Naval Research and Development Establishment (NR&DE).

Our work is shaped by requirements that demand research and engineering with the goal of delivering the operational advantage gained from fully integrating naval information functions, capabilities and resources to optimize decision making and maximize warfighting effects.

MISSION: Serve our nation by delivering information warfare solutions that protect national security.
VISION: WIN THE INFORMATION WAR.

Unique Facilities

- C4I Shipboard Integration Facility
- Common Submarine Radio Room production and testing
- National Cyber Range Complex Charleston
- Poseidon Park EMI and Envir. test labs
- National Security Operations Center
- 5G Comms and Outdoor Optical Range
- Cyber Forensics and Cyber Computer Network Defense Labs
- DOD Component Enterprise Data Centers and SATCOM Gateways
- Small Autonomous Unmanned Systems Range
- Seaworthy Artificial Intelligence Lab
- Vehicle C4I systems integration, testing and production facility
- Expeditionary Systems Integration and Innovation Center Bay
- Global Distance Support Desk
- Software Defined Radio & RF Testing
- Air Traffic Control Facility

Unique Capabilities

- Navy Afloat Networks CANES, ADNS, ISNS, CENTRIXS and CES
- IA and Navy Cybersecurity protection of DOD IT & telecom systems
- Navy Afloat Transport & Navigation interoperable communications
- Battlespace Awareness ISR/IO CB-ISEA services
- C2 and Afloat Applications targeting support, chemical-biological warnings and logistics
- Design, engr. and integrate C4ISR capabilities into tactical military vehicle platforms
- Equip Marines with mobile C3 facilities, devices and services and USMC Installations Command Electronic Security Systems
- NAVWAR Red Team (NSA, USCYBERCOM and DOD Cyber Red Team Accredited)
- IT solutions for satellites, command & op centers, Naval air traffic control, military fuel systems, force protection and military health IT systems.

FY21 Workforce Profile

- 5,133 (5,014 Gov't, 119 Mil) and ~9,000 from Industry
- 113 New Professionals
- 124 Student Interns
- 15 Senior Scientific Technical Managers (SSTMs)
- Education
  - 1.2% PhDs
  - 27% Masters
  - 44% Bachelors
- Top five occupational series
  - IT Specialist
  - Computer Scientist
  - Electronics Engineer
  - Electronics Tech
  - Mgmt. & Prog. Analyst
- 10 yrs. avg. service
- 45 yrs. avg. age
- 42% prior military

Business Profile

- Primarily a Navy Working Capital Fund (NWCF) Organization. Relying on sales revenue rather than direct Congressional appropriations to finance its operations

FY21

- $3.97B Total Obligation Authority
- $1.89B Total Small Business eligible dollars
- 50% Total Small Business
- ~280 Small Businesses
- 93% Competition

Locations

- Charleston, SC (NIWC Atlantic HQ)
- Hampton Roads, VA
- New Orleans, LA
- National Capital Region
- Tampa, FL
- Fayetteville, NC
- Pax River, MD
- Kings Bay, GA
- Mayport, FL
- Groton, CT
- Stuttgart, Germany
- Naples, Italy
- Bahrain

Organization Chronology

Meeting the needs of the warfighter

1993 BRAC: Naval Electronic Systems Engineering Center (NAVELEX) Charleston consolidated with others to form Naval Command, Control and Ocean Surveillance Center In-Service Engineering East Coast Division (NISE East)

2000: SSC Charleston formed by consolidation of Naval Computer and Telecommunications Command (NCTC) and NISE East

2005: 1st remote Antarctic Meteorology Operations support from Charleston

2005: 1st Up Armored HMMWVs integrations with C4I and CIED. 2,000 delivered FY06

2005 - 2008 BRAC: SSCs (Charleston, Norfolk and New Orleans) realignment

2006: 1st CSRR install, SSGN 726

2006: 1st Internet Café facilities fielded in Iraq and Afghanistan

2007: 1st remote Air Traffic Control support for Antarctic operations

2007: Launched the Mine Resistant, Ambushed Protected (MRAP) Vehicle C4I Integration Program. Reached full-scale production in less than a year.

2007: Navy Networks Engineering Laboratory (CHS Bldg 3146) completed

Sep 2008: SSC Atlantic commissioned

2008-2010: Continue rapidly deploying full service systems engineering capabilities in high-risk areas: Transportable ATCs, HF Radio Network, AV upgrades, Mobile Ashore Terminals, JOC in Stuttgart, Internet cafés, BFT and D-DACT installs

2011: Designated DOD Science and Technology Reinvention Laboratories (STRL)

2011: Computer Network Defense Service Provider (CNDSP) accreditation by USSTATCOM

2011: Opening of the Charleston Data Center

2012: Conclusion of MRAP program. More than 27,000 MRAP and MATVs Integrated with C4I

2013: 1st Navy's Consolidated Afloat Networks and Enterprise Services (CANES) Install, DDG 85

2014: Red Team Accreditation by USSTRATCOM

2015: 1st DON Cyber Forensics Criminal Investigations Laboratory to earn American Society of Crime Laboratory Directors/Laboratory Accreditation Board's international accreditation

2016: Cybersecurity Service Provider (CSSP) accreditation by USSTRATCOM

2016: Deployed the Multi-Reconfigurable Training System (MRTS), a virtual training system

2017: Designated as DOD Component Enterprise Data Center (CEDC)

2017: Opening of the Cyber Forensics and Data Recovery Laboratories

2017: Opening of the Cyber Education and Certification Readiness Facility (CERF) Lab

2018: First CANES Refresh (LSD 50)

2018: Stood-up Information Warfare Research Project (IWRP)

2019: SSC Atlantic name change to NIWC Atlantic

2020: Stood-up NavalX Tech Bridges

2020: IWRP $400M ceiling increase

Opening of the Expeditionary Systems Integration and Innovation Center Bay

Rapidly develop and deliver capabilities that expand our information warfare advantage.

Departments

Fleet C4I and Readiness FY21: 1,458 FTEs — 161 Projects — 39 IPTs
Ensuring information warfare superiority through collaboration, alignment and engineering excellence.

- Battlespace Awareness Division
- Information Assurance and Navy Cybersecurity Division
- Navy Afloat Networks & C2 Applications Division
- Navy Afloat Transport and Navigation Division
- Foreign Military Sales / Air Integration / Coast Guard Division
- Surface Ship Integration Division
- Submarine Integration Division
- Shore C4I Integration Division
- Fleet Installations and Response Division

Expeditionary Warfare FY21: 639 FTEs — 73 Projects — 20 IPTs
Rapidly delivering C4ISR, Cyber and IT systems and engineering services to meet the information warfare needs of the Marine Corps and Special Operations Command.

- Expeditionary Intelligence Solutions Division
- Expeditionary Enterprise Systems and Services Division
- Land Systems Integration Division
- Expeditionary Command, Control and Communications (C3) Solutions Div.

Enterprise Systems FY21: 654 FTEs — 60 Projects — 15 IPTs
Rapidly identify and implement affordable Enterprise IT solutions by promoting innovation, developing our personnel and forming strategic partnerships across NIWC Atlantic and with our customers.

- Data Center and Cloud Hosting Services Division
- Manpower, Personnel, Training and Education Systems Division
- Enterprise Business Systems Division
- Infrastructure Systems Division
- Afloat Applications Division

Shore C2ISR and Integration FY21: 838 FTEs — 120 Projects — 25 IPTs
Engineering and fielding systems supporting operational forces overseas and readiness missions stateside.

- Defense Health Information Technology Division
- Special Reconnaissance, Surveillance and Exploitation Division
- Force Protection Solutions Division
- Command and Operations Centers Division
- Industrial Controls Systems and Applications Division
- Air Traffic Control Engineering Division

Science and Technology FY21: 140 FTEs — 186 Projects (120 NISE)
Researching, prototyping and managing advanced technology development ensuring technical superiority.

- Defense Advanced Research Projects Agency (DARPA)
- Office of Naval Research (ONR)
- Naval Innovative Science and Technology Program (NISE)
- Advanced Technology Research (ATR)

NIWC Atlantic's Technology Strategy utilizes overarching DOD, naval and NAVWARSYSCOM strategic plans, investment budgets, and formal naval needs and gaps statements.

Technology Focus Areas (TFAs)

Developing today for the warfighter needs of tomorrow and beyond.

Artificial Intelligence
- Provide warfighters with analytic-driven, data-informed, and technology-empowered capabilities to drive decision advantages and optimal mission outcomes.

Assured Communications
- Addresses the demand for resilient, and sometimes covert, wired and wireless communications in degraded and/or denied environments.

Cloud Computing
- IT modernization and digital transformation for resilient infrastructure, platform and software services.

Cybersecurity
- Provides protection from unauthorized use of and/or defends electronic data, hardware, software from disruption or of the services they provide.

DevSecOps
- Refers to replacing siloed Development, Security and Operations to create multidisciplinary teams that collaborate with shared and efficient practices and tools.

Mobility
- Provide Wireless Technology and enterprise access for the warfighter to engage with a mobile environment and applications, anytime, anyplace.

Model-Based Systems Engineering
- Technologies used to support the development, management and application of virtual constructs of varying fidelity across the spectrum of systems engineering.

On-Demand Manufacturing processes
- Produce products and/or components, when or as they are required at the point of use, using additive and/or traditional manufacturing methods.

Technology Strategy and TFA analysis drives work acceptance and lab/facility infrastructure allocations and tools.

P.O. Box 190022 N. Charleston, SC 29419 — Web: https://www.niwcatlantic.navy.mil — NIWC Atlantic Small Business: https://www.niwcatlantic.navy.mil/for-industry/
NAVWAR Contract Directorate Office: https://e-commerce.sscno.nmci.navy.mil — Facebook: https://www.facebook.com/NavalInformationWarfareSystemsCommand
Twitter: https://twitter.com/navwarHQ — Instagram: https://www.instagram.com/navwar_usnavy/ — Linkedin: https://www.linkedin.com/company/navwar/
Employment opportunities: https://www.usajobs.gov